

Fully-Funded PhD Positions in 6G, Edge Computing, Localization, and Machine Learning for Networking

We have two fully-funded PhD positions. We are looking for talented students who want to pursue their PhD studies at the School of Electrical Engineering and Computer Science, TU Berlin, Germany. The positions are part of the Telecommunication Networks group headed by Prof. Falko Dressler.

Our research objectives include adaptive wireless networking (sub-6GHz, mmWave, visible light, molecular communication) and wireless-based sensing with applications in ad hoc and sensor networks, the Internet of Things, and Cyber-Physical Systems. Our current projects focus on novel and innovative concepts for 5G/6G communication systems, digital smart cities of tomorrow, and vehicular applications, emphasizing on communication technologies and cooperative assistance systems.

The candidate is expected to contribute to the ongoing research activities in at least one of the following fields.

- **edge computing and resource virtualization**
- **wireless ranging and localization**
- **channel measurements and modeling**
- **reconfigurable intelligent surfaces**
- **reinforcement learning for wireless communications**

For more information, please refer to our web site at <http://www.tkn.tu-berlin.de/>.

A deep understanding of wireless networking principles is required; experience one of the above mentioned research domains is considered a plus. We expect the candidate to have excellent programming experience (Python, C++, Matlab) and very strong Linux expertise.

Successful candidates are expected to contribute to research projects and teaching as active members of a young team. In return, we provide a relaxed and inspiring working atmosphere allowing you to address interesting and challenging research problems.

The salary is very competitive; according and to the German TV-L 13 system (roughly 2,200 Euro after tax).

Applicants should have earned an M.Sc. degree in computer science, computer engineering, electrical engineering, or in a related area, and have demonstrated prior achievements (e.g., top grades) in any of the above areas.

All applicants should possess excellent written and oral communication skills in English, a strong mathematical background, and programming experience. Enthusiasm for leading-edge research, a mix of creativity and persistence, and team spirit are essential.

Interested applicants should send a letter of motivation, a curriculum vitae, scanned transcripts, and contact information of at least two references electronically to Prof. Falko Dressler <dressler@ccs-labs.org> using the subject line "PhD @ TKN".